

PF218-5
PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<p>(51) International Patent Classification ⁶ : C07H 21/04, C12N 1/21, 5/16, 15/12, 15/63, C07K 14/00, C12P 21/00, G01N 33/566</p>	<p>A1</p>	<p>(11) International Publication Number: WO 97/25340 (43) International Publication Date: 17 July 1997 (17.07.97)</p>
<p>(21) International Application Number: PCT/US96/00499 (22) International Filing Date: 11 January 1996 (11.01.96) (71) Applicant: HUMAN GENOME SCIENCES, INC. [US/US]; 9410 Key West Avenue, Rockville, MD 20850-3338 (US). (72) Inventor: LI, Yi; 16125 Howard Landing Drive, Gaithersburg, MD 20878 (US). (74) Agent: BENSON, Robert, H.; Human Genome Sciences, Inc., 9410 Key West Avenue, Rockville, MD 20850 (US).</p>		<p>(81) Designated States: AU, CA, CN, JP, KR, MX, NZ, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i></p>
<p>(54) Title: HUMAN G-PROTEIN CHEMOKINE RECEPTOR HSATU68 (57) Abstract Human G-protein chemokine receptor polypeptides and DNA (RNA) encoding such polypeptides and a procedure for producing such polypeptides by recombinant techniques is disclosed. Also disclosed are methods for utilizing such polypeptides for identifying antagonists and agonists to such polypeptides and methods of using the agonists and antagonists therapeutically to treat conditions related to the underexpression and overexpression of the G-protein chemokine receptor polypeptides, respectively. Also disclosed are diagnostic methods for detecting a mutation in the G-protein chemokine receptor nucleic acid sequences and detecting a level of the soluble form of the receptors in a sample derived from a host.</p>		